

IN THE CLAIMS

Please replace the claim listing with the following:

Claim 1 (currently amended): A device for recording images on a printing form comprising:
an array of light sources;

imaging optics for generating $n \times m$ imaging spots on the printing form, n being greater than one and m being greater than or equal to one and n and m being natural numbers;
the array of light sources including an array of $r \times s$ VCSEL light sources, at least two of the $r \times s$ VCSEL light sources being controllable independently of one another, r being greater than or equal to n and s being greater than or equal to m , r and s being natural numbers;

wherein the array of $r \times s$ VCSEL light sources is constituted in modular form by a plurality of subarrays.

Claim 2 (currently amended): The device as recited in claim 1 wherein ~~the array of $r \times s$ VCSEL light sources includes a subarray of at least two of the VCSEL light source,~~ the printing form ~~having~~ has at least one specific imaging spot formed by combining light emitted by one of the subarrays ~~subarray~~ of the $r \times s$ VCSEL light sources.

Claim 3 (canceled).

Claim 4 (original): The device as recited in claim 1 wherein the printing form has a row of n imaging spots with a distance l between adjacent spots.

Claim 5 (original): The device as recited in claim 2 wherein the subarray has at least one first and one second VCSEL light source, the first and second VCSEL light sources being controlled so that light emitted by the first VCSEL light source is in a fixed phase relation to light emitted by the second VCSEL light source.

Claim 6 (currently amended): The device as recited in claim 1 wherein the imaging optics includes at least one component, ~~and the array of VCSEL light sources includes at least one~~

~~subarray, the at least one component acting on the~~ at least one subarray of the plurality of subarrays and being a microoptical component.

Claim 7 (currently amended): The device as recited in claim 1 wherein one of the subarrays has ~~the array of VCSEL light sources has at least one subarray, the subarray having~~ a VCSEL light source provided as a reference emitter for diagnosing parameters relevant to emission.

Claim 8 (currently amended): The device as recited in claim 1 wherein ~~the array of VCSEL light sources has a subarray, the imaging optics for the subarray having~~ the imaging optics has a component with a focal position variable as a function of a distance at least one light source of the array of VCSEL light sources to the printing form.

Claim 9 (original): The device as recited in claim 1 wherein the array of VCSEL light sources has at least one first light source having a control, the control, as a function of a power output from the first light source, varying an input power when the power output deviates from a setpoint value.

Claim 10 (currently amended): The device as recited in claim 9 wherein the at least one first light source is a reference emitter of one of the plurality of subarrays ~~a subarray of the array of VCSEL light sources~~, the input power being the input power for at least one further light source of the one subarray when the power output deviates from a setpoint value.

Claim 11 (original): The device as recited in claim 1 wherein at least one light source of the array of VCSEL light sources generates short pulsed radiation.

Claim 12 (original): A printing-form imaging unit comprising:
at least one device for recording images on a printing form as recited in claim 1.

Claim 13 (original): A print unit comprising:
at least one device for recording images on a printing form as recited in claim 1.

Claim 14 (original): A printing press, comprising:

at least one feeder,
a print unit as recited in claim 13, and
a delivery unit.

Claim 15 (new): A device for recording images on a printing form comprising:

an array of light sources;
imaging optics for generating $n \times m$ imaging spots on the printing form, n being greater than one and m being greater than or equal to one and n and m being natural numbers;
the array of light sources including an array of $r \times s$ VCSEL light sources, at least two of the $r \times s$ VCSEL light sources being controllable independently of one another, r being greater than or equal to n and s being greater than or equal to m , r and s being natural numbers;

wherein the array of $r \times s$ VCSEL light sources includes a subarray of at least two of the VCSEL light source, the printing form having at least one specific imaging spot formed by combining light emitted by the subarray of the $r \times s$ VCSEL light sources; and

wherein the subarray has at least one first and one second VCSEL light source, the first and second VCSEL light sources being controlled so that light emitted by the first VCSEL light source is in a fixed phase relation to light emitted by the second VCSEL light source.

Claim 16 (new): A device for recording images on a printing form comprising:

an array of light sources;
imaging optics for generating $n \times m$ imaging spots on the printing form, n being greater than one and m being greater than or equal to one and n and m being natural numbers;
the array of light sources including an array of $r \times s$ VCSEL light sources, at least two of the $r \times s$ VCSEL light sources being controllable independently of one another, r being greater than or equal to n and s being greater than or equal to m , r and s being natural numbers;

wherein the array of VCSEL light sources has at least one subarray, the subarray having a VCSEL light source provided as a reference emitter for diagnosing parameters relevant to emission.

Claim 17 (new): A device for recording images on a printing form comprising:

an array of light sources;

imaging optics for generating $n \times m$ imaging spots on the printing form, n being greater than one and m being greater than or equal to one and n and m being natural numbers;

the array of light sources including an array of $r \times s$ VCSEL light sources, at least two of the $r \times s$ VCSEL light sources being controllable independently of one another, r being greater than or equal to n and s being greater than or equal to m , r and s being natural numbers;

wherein the array of VCSEL light sources has a subarray, the imaging optics for the subarray having a component with a focal position variable as a function of a distance at least one light source of the array of VCSEL light sources to the printing form.

Claim 18 (new): A device for recording images on a printing form comprising:

an array of light sources;

imaging optics for generating $n \times m$ imaging spots on the printing form, n being greater than one and m being greater than or equal to one and n and m being natural numbers;

the array of light sources including an array of $r \times s$ VCSEL light sources, at least two of the $r \times s$ VCSEL light sources being controllable independently of one another, r being greater than or equal to n and s being greater than or equal to m , r and s being natural numbers;

wherein the array of VCSEL light sources has at least one first light source having a control, the control, as a function of a power output from the first light source, varying an input power when the power output deviates from a setpoint value.

Claim 19 (new): The device as recited in claim 18 wherein the at least one first light source is a reference emitter of a subarray of the array of VCSEL light sources, the input power being the input power for at least one further light source of the subarray when the power output deviates from a setpoint value.

Claim 20 (new): A device for recording images on a printing form comprising:

an array of light sources;

imaging optics for generating $n \times m$ imaging spots on the printing form, n being greater

than one and m being greater than or equal to one and n and m being natural numbers;
the array of light sources including an array of $r \times s$ VCSEL light sources, at least two of the $r \times s$ VCSEL light sources being controllable independently of one another, r being greater than or equal to n and s being greater than or equal to m , r and s being natural numbers;
wherein at least one light source of the array of VCSEL light sources generates short pulsed radiation.